

AMENDMENTS TO THE CLAIMS

Listing of Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 1-19. (Cancelled)

20. (Currently amended) A ~~telephony over~~ broadband telephony adapter, comprising:

a device controller to couple to a host controller of a broadband modem;

a modulator to modulate telephony information;

a transcoder to transcode information between said device controller and said modulator; ~~and~~

a one or more subscriber line interface circuits to couple a one or more telephony devices to said modulator; and

a memory device to store one or more telephone numbers that are to be serviced by the broadband telephony adapter, wherein the device controller separates information associated with the one or more telephone numbers, and wherein the one or more telephone numbers are associated with the one or more telephony devices;

wherein the one or more telephony devices is are able to communicate over a broadband line via the broadband modem by communicating via the host controller of the broadband modem.

21. (Currently amended) A ~~telephony-over~~ broadband telephony adapter as claimed in claim 20, wherein said device controller is configured to operate in compliance with one of a Universal Serial Bus standard, a Firewire standard, and a wireless communication standard.

22. (Currently amended) A ~~telephony-over~~ broadband telephony adapter as claimed in claim 20, further comprising an expansion hub to connect additional devices to the host controller via the expansion hub.

23. (Currently amended) A ~~telephony-over~~ broadband telephony adapter as claimed in claim 20, wherein the telephony device is able to communicate via the host controller of the broadband modem via wireless transmission between the telephony device and the broadband telephony adapter.

24. (Withdrawn) A broadband modem for telephony and data communications, comprising:
a broadband interface circuit to couple to a broadband line;
a processor to couple to said broadband interface circuit;
a host controller to couple a device controller of a peripheral device to said processor;
wherein said processor routes telephony information between said broadband interface circuit and the peripheral device to provide telephony communication between the peripheral device and the broadband line via said host controller.

25. (Withdrawn) A broadband modem as claimed in claim 24, wherein said broadband

interface circuit is a digital subscriber line interface circuit.

26. (Withdrawn) A broadband modem as claimed in claim 24, wherein said broadband interface circuit is a cable modem interface circuit.

27. (Withdrawn) A broadband modem as claimed in claim 24, wherein said host controller is configured to operate in compliance with one of a Universal Serial Bus standard, a Firewire standard, and a wireless communication standard.

28. (Withdrawn) A broadband modem for telephony and data communications, comprising:

a broadband interface circuit to couple to a broadband line;

a processor to couple to said broadband interface circuit;

a host controller to couple device controller of a peripheral device to said processor,

said host controller being one of a Universal Serial Bus Controller, a Firewire controller, a Bluetooth controller, and a wireless controller;

wherein said processor routes telephony information between said broadband interface circuit and the peripheral device to provide telephony communication between the peripheral device and the broadband line via said host controller.

29. (Withdrawn) A broadband modem as claimed in claim 28, wherein said processor transfers data packets between said broadband interface circuit and a local area network, and transfers telephony information between said broadband interface circuit and said host

controller.

30. (Withdrawn) A broadband modem as claimed in claim 28, wherein said broadband interface circuit is a digital subscriber line interface circuit.

31. (Withdrawn) A broadband modem as claimed in claim 28, wherein said broadband interface circuit is a cable modem interface circuit.

32. (Currently amended) A ~~telephony over~~ broadband telephony adapter, comprising:

a device controller to couple to a host controller of a broadband modem;

a modulator to transcode information between said device controller and said modulator;

a one or more subscriber line interface circuits to couple a ~~first~~ one or more telephony devices to said modulator;

a memory device to store one or more telephone numbers that are to be serviced by the broadband telephony adapter, wherein the device controller separates information associated with the one or more telephone numbers, and wherein the one or more telephone numbers are associated with one or more telephony devices; and

a hub circuit to couple at least one additional telephony device to the host controller of the broadband modem via the broadband telephony adapter;

wherein the ~~first~~ one or more telephony devices ~~is~~ are able to communicate over a broadband line via the broadband modem by communicating via the host

controller of the broadband modem.

33. (Currently amended) A ~~telephony over~~ broadband telephony adapter as claimed in claim 32, ~~wherein the telephony adapter has a telephone number associated therewith,~~ wherein said hub circuit routes telephony information not associated with the broadband telephony adapter ~~to the first telephony device, and routes other telephony information~~ to the at least one additional telephony device.

34. (Currently amended) A ~~telephony over~~ broadband telephony adapter as claimed in claim 32, wherein said device controller is configured to operate in compliance with one of a Universal Serial Bus standard, a Firewire standard, and a wireless communication standard.

35. (Currently amended) A ~~telephony over~~ broadband telephony adapter as claimed in claim 32, wherein the at least one additional telephony device is able to communicate over the broadband line via the broadband modem by communicating via the host controller of the broadband modem via the hub circuit of the telephony adapter.

36. (New) A broadband telephony adapter as claimed in claim 20, wherein a new telephone number may be added to be serviced by the broadband telephony adapter by programming the new telephone number into the memory device.

37. (New) A broadband telephony adapter as claimed in claim 20, wherein the separated

information associated with the one or more telephone numbers is forwarded to the one or more telephony devices associated with the one or more telephone numbers.

38. (New) A broadband telephony adapter as claimed in claim 32, wherein a new telephone number may be added to be serviced by the broadband telephony adapter by programming the new telephone number into the memory device.

39. (New) A broadband telephony adapter as claimed in claim 32, wherein the separated information associated with the one or more telephone numbers is forwarded to the one or more telephony devices associated with the one or more telephone numbers.